



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/775,487

Source:

FFHO

Date Processed by STIC:

12-16-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/775,487

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
 (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
 (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading!)  
 (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
 This sequence is intentionally skipped  
 Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
 <210> sequence id number  
 <400> sequence id number  
 000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
 Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.  
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or  
scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or  
is Artificial Sequence.
- 11      Use of <220>      Sequence(s)          missing the <220> "feature" and associated numeric identifiers and responses.  
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or  
 "Unknown." Please explain source of genetic material in <220> to <223> section.  
 (See "Federal Register," 09/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
 resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa      "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/775,487

DATE: 12/16/2004

TIME: 15:24:13

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\12162004\J775487.raw

4 <110> APPLICANT: Faustman, Denise L.  
 5 Hayashi, Takuma  
 7 <120> TITLE OF INVENTION: Methods For Diagnosing Autoimmune  
 8 Disease  
 10 <130> FILE REFERENCE: 00786/457003  
 12 <140> CURRENT APPLICATION NUMBER: 10/775,487  
 13 <141> CURRENT FILING DATE: 2004-02-10  
 15 <150> PRIOR APPLICATION NUMBER: 09/258,682  
 16 <151> PRIOR FILING DATE: 1999-02-26  
 18 <150> PRIOR APPLICATION NUMBER: 09/031,629  
 19 <151> PRIOR FILING DATE: 1998-02-27  
 21 <160> NUMBER OF SEQ ID NOS: 11  
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 32  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Genus/Species  
 30 <400> SEQUENCE: 1  
 31 gatctaggga ctttcgctg gggactttcc ag  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 40  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: genus/species  
 38 <400> SEQUENCE: 2  
 39 gatctcaggg gaatctccct ctccttttat gggcgtagcg  
 41 <210> SEQ ID NO: 3  
 42 <211> LENGTH: 10  
 43 <212> TYPE: DNA  
 44 <213> ORGANISM: genus/species  
 46 <400> SEQUENCE: 3  
 47 gggactttcc  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 10  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: genus species  
 54 <400> SEQUENCE: 4  
 55 gggacgtccc  
 57 <210> SEQ ID NO: 5  
 58 <211> LENGTH: 10  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: genus species  
 62 <400> SEQUENCE: 5  
 63 ggaaatttcc

Invalid  
ResponseInvalid  
ResponseSame  
errorSame  
errorSame  
error

(ps.1-2)

← Mandatory  
 response  
 (213)<sup>32</sup> has to  
 be Artificial  
 UNKNOWN OR  
 a Genus  
 10 or Species

see item  
 10  
 #10 on  
 error Summary  
 10 Sheet.

FYI: which genus/  
 species?

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/775,487

DATE: 12/16/2004

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Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\12162004\J775487.raw

65 <210> SEQ ID NO: 6  
66 <211> LENGTH: 5  
67 <212> TYPE: DNA  
68 <213> ORGANISM: genus species  
70 <400> SEQUENCE: 6  
71 gggac 5  
73 <210> SEQ ID NO: 7  
74 <211> LENGTH: 5  
75 <212> TYPE: DNA  
76 <213> ORGANISM: genus species  
78 <400> SEQUENCE: 7  
79 ggaaa 5  
81 <210> SEQ ID NO: 8  
82 <211> LENGTH: 5  
83 <212> TYPE: DNA  
84 <213> ORGANISM: genus species  
86 <400> SEQUENCE: 8  
87 ctcac  
89 <210> SEQ ID NO: 9  
90 <211> LENGTH: 5  
91 <212> TYPE: DNA  
92 <213> ORGANISM: genus species  
94 <400> SEQUENCE: 9  
95 tttcc 5  
97 <210> SEQ ID NO: 10  
98 <211> LENGTH: 5  
99 <212> TYPE: DNA  
100 <213> ORGANISM: genus species  
102 <400> SEQUENCE: 10  
103 gtccc 5  
105 <210> SEQ ID NO: 11  
106 <211> LENGTH: 5  
107 <212> TYPE: DNA  
108 <213> ORGANISM: genus species  
110 <400> SEQUENCE: 11  
111 tttcc 5

Same errors

Which genus/  
Species?

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/775,487**

DATE: 12/16/2004

TIME: 15:24:14

Input Set : **A:\Seqlist.txt**

Output Set: **N:\CRF4\12162004\J775487.raw**